

U.S. Appl. No. 09/627,725
Reply to Office Action dated March 14, 2006

PATENT
450100-02622

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims

1. (Currently Amended) A program guide information providing device adapted to communicate with a communication terminal device; said program guide information providing device comprising:

program guide information storing means for storing program guide information indicating the contents of programs to be supplied by predetermined program supplying means;

preference information storing means for storing preference information indicating the preferences of each of one or more users,

wherein the preference information comprises information linking: each of the one or more users; a corresponding personal remote terminal device; and program information preferred by each of the users;

~~said preference information for each user also corresponding to a particular communication terminal device with identification information associated therewith;~~

a receiver for receiving identification information from said communication terminal device indicative of the identification thereof;

searching means for:

reading from said preference information storing means said preference information corresponding to said identification information transmitted from said communication terminal device,

U.S. Appln. No. 09/627,725
Reply to Office Action dated March 14, 2006

PATENT
450100-02622

searching programs matching the preferences of said user from said
program guide information based on said read preference information, and
generating searched program guide information comprising said searched
programs; and

transmitting means for transmitting said searched program guide information to
said communication terminal device;

wherein a program selection apparatus receives program selection information
upon selection of one of said programs listed in said program guide information, said list of
programs in said program guide is previously created and stored by said user and said previously
created and stored list of programs in said program guide is remotely accessed by said user upon
request on said communication terminal device.

2. (Previously Presented) The program guide information providing device
according to Claim 1, further comprising receiving means for receiving programs supplied from
said program supplying means.

3. (Currently Amended) A program guide information providing system
comprising a communication terminal device and a program guide information providing device
adapted to communicate with each other;

wherein said program guide information providing device comprises:

program guide information storing means for storing program guide
information indicating the contents of programs to be supplied by predetermined program
supplying means;

U.S. Appln. No. 09/627,725
Reply to Office Action dated March 14, 2006

PATENT
450100-02622

preference information storing means for storing preference information
indicating the preferences of each of one or more users,

wherein the preference information comprises information linking: each of the
one or more users; a corresponding personal remote terminal device; and program information
preferred by each of the users; ~~said preference information for each user also corresponding to a
particular communication terminal device with identification information associated therewith;~~

a receiver for receiving identification information from said
communication terminal device indicative of the identification thereof;

searching means for:

reading from said preference information storing means said
preference information corresponding to said received identification information,

searching programs matching the preferences of said user from
said program guide information based on said read preference information, and

generating searched program guide information comprising said
searched programs; and

transmitting means for transmitting said searched program guide
information to said communication terminal device;

and wherein said communication terminal device comprises:

transmitting means for transmitting to said guide information providing
device said identification information associated with said communication terminal device;

receiving means for receiving said searched program guide information
transmitted from said program guide information providing device;

U.S. Appln. No. 09/627,725
Reply to Office Action dated March 14, 2006

PATENT
450100-02622

notifying means for notifying the user of said received searched program
guide information; and

transmitting means for transmitting to a program selection apparatus
program selection information upon selection of one of said program lists in said program guide
information, said list of programs in said program guide is previously created and stored by said
user and said previously created and stored list of programs in said program guide is remotely
accessed by said user upon request on said communication terminal device.

4. (Previously Presented) The program guide information providing system
according to Claim 3, said program guide information providing device further comprising
receiving means for receiving programs supplied from said program supplying means.

5. (Currently Amended) An information receiving device adapted to communicate
with a communication terminal device, said information receiving device comprising:

program guide information storing means for storing program guide information
indicating the contents of programs to be supplied by predetermined program supplying means;

preference information storing means for storing preference information
indicating the preferences of each of one or more users,

wherein the preference information comprises information linking: each of the
one or more users; a corresponding personal remote terminal device; and program information
preferred by each of the users; ~~said preference information for each user also corresponding to a~~
~~particular communication terminal device with identification information associated therewith;~~

U.S. Appln. No. 09/627,725
Reply to Office Action dated March 14, 2006

PATENT
450100-02622

a receiver for receiving identification information from said communication terminal device indicative of the identification thereof;

searching means for:

reading from said preference information storing means said preference information corresponding to said received identification information,

searching programs matching the preferences of said user from said program guide information based on said read preference information, and

generating searched program guide information comprising said searched programs;

transmitting means for transmitting said searched program guide information to a remote commander; and

said remote commander having first transmitting / receiving means for directly exchanging information between said receiving means and said transmitting means, and second transmitting / receiving means for exchanging information via said communication terminal device and said communicating means;

wherein a program selection apparatus receives program selection information upon selection of one of said programs listed in said program guide information, said list of programs in said program guide is previously created and stored by said user and said previously created and stored list of programs in said program guide is remotely accessed by said user upon request on said communication terminal device.

6. (Previously Presented) The information receiving device according to Claim 5, further comprising recording control means for recording to recording means programs specified

U.S. Appln. No. 09/627,725
Reply to Office Action dated March 14, 2006

PATENT
450100-02622

by said communication terminal device from a plurality of programs supplied from said program supplying means.

7. (Currently Amended) A remote operating system wherein a communication terminal device and an information receiving device are adapted to communicate with each other;

wherein said information receiving device comprises:

program guide information storing means for storing program guide information indicating the contents of programs to be supplied by predetermined program supplying means;

preference information storing means for storing preference information indicating the preferences of each of one or more users,

wherein the preference information comprises information linking: each of the one or more users; a corresponding personal remote terminal device; and program information preferred by each of the users; ~~said preference information for each user also corresponding to a particular communication terminal device with identification information associated therewith;~~

a receiver for receiving identification information from said communication terminal device indicative of the identification thereof;

searching means for:

reading from said preference information storing means said preference information corresponding to said received identification information,

searching programs matching the preferences of said user from said program guide information based on said read preference information, and

U.S. Appln. No. 09/627,725
Reply to Office Action dated March 14, 2006

PATENT
450100-02622

generating searched program guide information comprising said searched programs;

transmitting means for transmitting said searched program guide information to a remote commander; and

said remote commander having first transmitting / receiving means for directly exchanging information between said receiving means and said transmitting means, and second transmitting / receiving means for exchanging information via said communication terminal device and said communicating means;

and wherein said communication terminal device comprises:

transmitting means for transmitting to said remote commander said identification information associated with said communication terminal device;

receiving means for receiving said searched program guide information transmitted from said remote commander;

notifying means for notifying the user of said received searched program guide information; and

transmitting means for transmitting to a program selection apparatus program selection information upon selection of one of said program lists in said program guide information, said list of programs in said program guide is previously created and stored by said user and said previously created and stored list of programs in said program guide is remotely accessed by said user upon request on said communication terminal device.

8. (Previously Presented) The remote operating system according to Claim 7, wherein said information receiving device further comprises recording control means for

U.S. Appl. No. 09/627,725
Reply to Office Action dated March 14, 2006

PATENT
450100-02622

recording to recording means programs specified by said communication terminal device from a plurality of programs supplied from said program supplying means.

9. (Currently Amended) A program guide information providing method for a program guide information providing device adapted to communicate with a communication terminal device, said method comprising the following steps:

storing in program guide information storing means program guide information indicating the contents of programs to be supplied by predetermined program supplying means;

storing preference information indicating the preferences of each of one or more users,

wherein the preference information comprises information linking: each of the one or more users; a corresponding personal remote terminal device; and program information preferred by each of the users; said preference information for each user also corresponding to a particular communication terminal device with identification information associated therewith;

receiving identification information from said communication terminal device indicative of the identification thereof;

reading from said preference information storing means said preference information corresponding to said identification information transmitted from said communication terminal device;

searching programs matching the preferences of said user from said program guide information based on said read preference information;

generating searched program guide information comprising said searched programs; and

U.S. Appln. No. 09/627,725
Reply to Office Action dated March 14, 2006

PATENT
450100-02622

transmitting said searched program guide information to said communication terminal device;

wherein a program selection apparatus receives program selection information upon selection of one of said programs listed in said program guide information, said list of programs in said program guide is previously created and stored by said user and said previously created and stored list of programs in said program guide is remotely accessed by said user upon request on said communication terminal device.

10. (Previously Presented) The program guide information providing method for a program guide information providing device according to Claim 9, further receiving programs supplied from said program supplying means.

11. (Currently Amended) A program guide information providing method for a program guide information providing system comprising a communication terminal device and a program guide information providing device adapted to communicate with each other, said method comprising the following steps:

storing in program guide information storing means of said program guide information providing device, program guide information indicating the contents of programs to be supplied by predetermined program supplying means;

storing preference information indicating the preferences of each of one or more users,

wherein the preference information comprises information linking each of the one or more users; a corresponding personal remote terminal device; and program information

U.S. Appl. No. 09/627,725
Reply to Office Action dated March 14, 2006

PATENT
450100-02622

~~preferred by each of the users; said preference information for each user also corresponding to a particular communication terminal device with identification information associated therewith;~~

receiving identification information from said communication terminal device
indicative of the identification thereof;

transmitting said identification information from said communication terminal
device to said program guide information providing device;

reading from said preference information storing means said preference
information corresponding to said received identification information,

searching programs matching the preferences of said user from said program
guide information based on said read preference information, and

generating searched program guide information comprising said searched
programs;

transmitting said searched program guide information to said communication
terminal device from said guide information providing device;

receiving said searched program guide information transmitted from said program
guide information providing device with said communication terminal device;

notifying the user of said received searched program guide information via
notifying means; and

transmitting to a program selection apparatus program selection information upon
selection of one of said program lists in said program guide information, said list of programs in
said program guide is previously created and stored by said user and said previously created and
stored list of programs in said program guide is remotely accessed by said user upon request on
said communication terminal device.

U.S. Appl. No. 09/627,725
Reply to Office Action dated March 14, 2006

PATENT
450100-02622

12. (Previously Presented) The program guide information providing method for a program guide information providing system according to Claim 11, wherein said information providing device receives programs supplied from said program supplying means.

13. (Currently Amended) A program guide information providing method for an information receiving device adapted to communicate with a communication terminal device, said method comprising the following steps:

storing program guide information indicating the contents of programs to be supplied by predetermined program supplying means to program guide information storing means of said information receiving device;

storing preference information indicating the preferences of each of one or more users,

wherein the preference information comprises information linking: each of the one or more users; a corresponding personal remote terminal device; and program information preferred by each of the users; said preference information for each user also corresponding to a particular communication terminal device with identification information associated therewith;

receiving identification information from said communication terminal device indicative of the identification thereof;

transmitting said received identification information from [[said]] a remote commander to said information receiving device;

receiving said identification information transmitted from said remote commander with said information receiving device;

U.S. Appln. No. 09/627,725
Reply to Office Action dated March 14, 2006

PATENT
450100-02622

reading from said preference information storing means said preference information corresponding to said received identification information;

searching programs matching the preferences of said user from said program guide information based on said read preference information;

generating searched program guide information comprising said searched programs;

transmitting said searched program guide information from said information receiving device to said remote commander;

receiving said searched program guide information transmitted from said information receiving device with said remote commander; and

transmitting said received searched program guide information from said remote commander to said communication terminal device;

wherein a program selection apparatus receives program selection information upon selection of one of said programs listed in said program guide information, said list of programs in said program guide is previously created and stored by said user and said previously created and stored list of programs in said program guide is remotely accessed by said user upon request on said communication terminal device.

14. (Previously Presented) The program guide information providing method for an information receiving device according to Claim 13, wherein said information receiving device records to recording means programs specified by said communication terminal device from a plurality of programs supplied from said program supplying means.

U.S. Appln. No. 09/627,725
Rcply to Office Action dated March 14, 2006

PATENT
450100-02622

15. (Currently Amended) A remote operating method for a remote operating system wherein a communication terminal device and an information receiving device are adapted to communicate with each other, said method comprising the following steps:

storing program guide information indicating the contents of programs to be supplied by predetermined program supplying means to program guide information storing means of said information receiving device;

storing preference information indicating the preferences of each of one or more users,

whercin the preference information comprises information linking: each of the one or more users; a corresponding personal remote terminal device; and program information preferred by each of the users; said preference information for each user also corresponding to a particular communication terminal device with identification information associated therewith;

receiving identification information from said communication terminal device indicative of the identification thereof;

transmitting said identification information from said communication terminal device to a remote commander connected to said communication means;

transmitting said received identification information from said remote commander to said information receiving device;

receiving said identification information transmitted from said remote commander with said information receiving device;

reading from said preference information storing means said preference information corresponding to said received identification information;

U.S. Appln. No. 09/627,725
Reply to Office Action dated March 14, 2006

PATENT
450100-02622

searching programs matching the preferences of said user from said program
guide information based on said read preference information;

generating searched program guide information comprising said searched
programs;

transmitting said searched program guide information from said information
receiving device to said remote commander;

receiving said searched program guide information transmitted from said
information receiving device with said remote commander;

transmitting said received searched program guide information from said remote
commander to said communication terminal device;

receiving said searched program guide information transmitted from said remote
commander with said communication terminal device;

notifying the user of said received searched program guide information via
notifying means; and

transmitting to a program selection apparatus program selection information upon
selection of one of said program lists in said program guide information, said list of programs in
said program guide is previously created and stored by said user and said previously created and
stored list of programs in said program guide is remotely accessed by said user upon request on
said communication terminal device.

16. (Previously Presented) The remote operating method for a remote operating
system according to Claim 15, wherein said information receiving device further records to

U.S. Appln. No. 09/627,725
Reply to Office Action dated March 14, 2006

PATENT
450100-02622

recording means programs specified by said communication terminal device from a plurality of programs supplied from said program supplying means.

17. (Previously Presented) The program guide information providing device according to Claim 1, wherein said preference information storing means is located adjacent said program selection apparatus.

18. (Previously Presented) The program guide information providing device according to Claim 1, wherein said preference information is located at a remote location apart from said program selection apparatus.

19. (Previously Presented) The program guide information providing device according to Claim 18, wherein said preference information is retrieved over a public network.

20. (Previously Presented) The program guide information providing device according to Claim 18, wherein said preference information is stored at a website.

21. (Previously Presented) The program guide information providing system according to Claim 3, wherein said preference information storing means is located adjacent said program selection apparatus.

U.S. Appln. No. 09/627,725
Reply to Office Action dated March 14, 2006

PATENT
450100-02622

22. (Previously Presented) The program guide information providing system according to Claim 3, wherein said preference information is located at a remote location apart from said program selection apparatus.

23. (Previously Presented) The program guide information providing system according to Claim 22, wherein said preference information is retrieved over a public network.

24. (Previously Presented) The program guide information providing system according to Claim 22, wherein said preference information is stored at a website.

25. (Previously Presented) The information receiving device according to Claim 5, wherein said preference information storing means is located adjacent said program selection apparatus.

26. (Previously Presented) The information receiving device according to Claim 5, wherein said preference information is located at a remote location apart from said program selection apparatus.

27. (Previously Presented) The information receiving device according to Claim 26, wherein said preference information is retrieved over a public network.

28. (Previously Presented) The information receiving device according to Claim 26, wherein said preference information is stored at a website.

U.S. Appl. No. 09/627,725
Reply to Office Action dated March 14, 2006

PATENT
450100-02622

29. (Previously Presented) The remote operating system according to Claim 7, wherein said preference information storing means is located adjacent said program selection apparatus.

30. (Previously Presented) The remote operating system according to Claim 7, wherein said preference information is located at a remote location apart from said program selection apparatus.

31. (Previously Presented) The remote operating system according to Claim 30, wherein said preference information is retrieved over a public network.

32. (Previously Presented) The remote operating system according to Claim 30, wherein said preference information is stored at a website.

33. (Previously Presented) The program guide information providing method according to Claim 9, wherein said preference information storing means is located adjacent said program selection apparatus.

34. (Previously Presented) The program guide information providing method according to Claim 9, wherein said preference information is located at a remote location apart from said program selection apparatus.

U.S. Appl. No. 09/627,725
Reply to Office Action dated March 14, 2006

PATENT
450100-02622

35. (Previously Presented) The program guide information providing method according to Claim 34, wherein said preference information is retrieved over a public network.

36. (Previously Presented) The program guide information providing method according to Claim 34, wherein said preference information is stored at a website.

37. (Previously Presented) The program guide information providing method according to Claim 11, wherein said preference information storing means is located adjacent said program selection apparatus.

38. (Previously Presented) The program guide information providing method according to Claim 11, wherein said preference information is located at a remote location apart from said program selection apparatus.

39. (Previously Presented) The program guide information providing method according to Claim 38, wherein said preference information is retrieved over a public network.

40. (Previously Presented) The program guide information providing method according to Claim 38, wherein said preference information is stored at a website..